

SQUAD ADVANCED MARKSMAN (RIFLE)

Purpose: The Squad Advanced Marksman Rifle (SAM-R) will give Marines the capability to provide precision fire in support of the rifle squad, provide precision fires in support of an assault, and aid in the observation and adjusting of supporting arms.

Background: Riflemen are trained to engage high-contrast black and white targets with the M16A2 service rifle at ranges out to 500 yards. Riflemen have great difficulty identifying partially camouflaged or concealed targets at half of this distance, with the naked eye in low-light conditions. Additionally, this limitation makes it difficult for rifleman to distinguish combatants from non-combatants and hinders their ability to prioritize, identify or engage high payoff targets within groups with the standard service rifle using iron sights. Rifle squads have no optical equipment to observe the effects of their fires or note mil values in relation to other Marines (to determine precisely when to shift and cease-fire in assaults). Units may find it necessary to serve as a support or assault element at any moment regardless of original assignment. To safely conduct hasty fire and maneuver, units need to be capable of providing adequate suppression to assume either mission and maintain momentum. Using the SAM-R optic will allow the user to accurately and safely provide shifts for machine gun fire and aid in the corrections of call for fire (mortars/artillery).

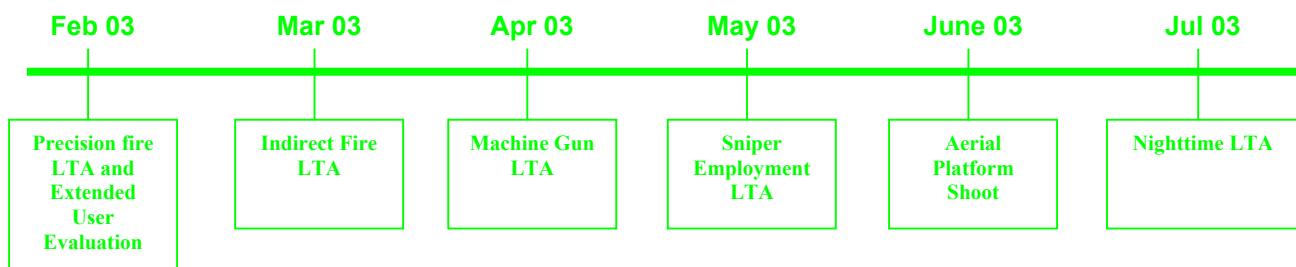


Description: The Lab will assess the SAM-R in the below configuration:

- M-16A4 (flat-top receiver).
- Free floated stainless or chrome-lined match barrel.
- M-16A1 trigger assembly.
- Pop-up front and rear sight assemblies.
- 3.5 x 9 variable power scope with a first focal plane reticle.

Deliverable Product(s): Assessment reports and requirement documentation.

Milestones:



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